

```

<!--StartFragment-->RESULT 2
US-09-818-780-96
; Sequence 96, Application US/09818780
; Patent No. 6677146
; GENERAL INFORMATION:
; APPLICANT: McHenry, Charles
; TITLE OF INVENTION: NOVEL THERMOPHILIC POLYMERASE III HOLOENZYME
; FILE REFERENCE: 1794.0030004
; CURRENT APPLICATION NUMBER: US/09/818,780
; CURRENT FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US 60/192,736
; PRIOR FILING DATE: 2000-03-28
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 96
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Bacillus subtilis
US-09-818-780-96

```

```

Query Match          42.3%; Score 736.5; DB 2; Length 347;
Best Local Similarity 44.2%; Pred. No. 2e-64;
Matches 148; Conservative 73; Mismatches 113; Indels 1; Gaps 1;

```

```

Qy      1 MLERVWGNIKRRFSPLYLLYGNEPFLTETRYERLVNAALGPEEREWNNAVVDCEETPIE 60
       |: ||::| |:| || |:| || |: : |:|::|:| ||::
Db      1 MVDVWKSLLKGEVHPVCLYGKETYLLQETVSRIRQTVVDQETKDFNLSVFDLEEDPLD 60

Qy      61 AALEEAEIVPFFGERRVILIKHPYFFTSEKEKE-IEHDLAKLEAYLKAPSFPFSIVVFFAP 119
       |: ||| || |||:::|:| || ||| |||:: |||:::|:|:|:|:| ||
Db      61 QAIADAETFPFMGERRLVIVKNPYFLTGEKKKEKIEHNVSALESYIQSPAPYTVFVLLAP 120

Qy      120 YEKLDERKKITKLAKSEQSEVVIAAPLAEALRAWVRRIESQGAQASDEAIDVLLRRAGT 179
       ||| ||| ||| |: : :| | | : : : ||:| |:|
Db      121 YEKLDERKKLTALKKHAFMMEAKELNAKETDFTVNLAKTEQKTIGTEAAEHLVLLVNG 180

Qy      180 QLSALANEIDKLALFAGSGGTIEAAVERLVARTPEENVFVLVEQVAKRDIIPAALQTFYD 239
       ||:: || || | | | |: |||: |:| |: : | :|| |||
Db      181 HLSIFQEIQLKCTFIGDREBITLDDVKMLVARSLQNFELINKIVNKRRTESLQTFYD 240

Qy      240 LLENNEEPIKILALLAAHFRLLSQVKWLASLGYGQAIAALKVHPPFRVKLALAQAAARFA 299
       ||: |||||::|:| ||: | | ||| |||: |||||::| || |:|
Db      241 LLKQNEEPIKIMALISNQFRLILQTKYFAEQGYGQKQIASNLKVHPPFRVKLAMDQARLFS 300

Qy      300 DGLAEAINELADADYEVKSGAVDRRLAVELLMR 334
       : || | :|| |||:| | |:| :|| |:|
Db      301 EEELRLIIEQLAVMDYEMRTGKKDKQLLELFLQ 335

```

```

<!--EndFragment-->

```